

DRAFT HEALTH INDICATORS

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MISSION: The Kansas Health Policy Authority shall develop and maintain a coordinated health policy agenda that combines the effective purchasing and administration of health care with health promotion oriented public health strategies. The powers, duties, and functions of the Authority are intended to be exercised to improve the health of the people of Kansas by increasing the quality, efficiency, and effectiveness of health services and public health programs.

Statutory Requirement: The Kansas Health Policy Authority shall develop or adopt health indicators and shall include baseline and trend data on the health costs and indicators in each annual report to the legislature.

Draft Vision Principle 1. Access for All – Every Kansan should have access to patient-centered health care and public health services ensuring the right care, at the right time, and at the right place. Health promotion and disease prevention should be integrated directly into these services.

- **Access to Health Services**
 - Weighted responses to question: do you have one person you think of as your personal doctor or health care provider?
 - Weighted responses to question: when you feel sick or need advice about your health, to which of the following places do you usually go?
 - Weighted responses to question: was there a time in the past 12 months when you needed medical care, but could not get it?
 - Weighted responses to question: what was the main reason you did not get medical care?
 - Ratio of health care expenditures to low-income population (support for public health care*)
- **Health Insurance Coverage of Children**
 - Percent of children covered by health insurance
 - Percent of children covered by private insurance
 - Percent of children covered by employer-based private health insurance
 - Percent of children covered by direct purchase health insurance
 - Percent of children covered by government health insurance
 - Percent of children covered by military health care
- **Health Workforce**
 - Medical professionals: active non-federal
 - Other health professions
 - Number of persons served by per FTE professional
 - Percent of physicians participating in Medicare

- **Community Hospitals**
 - Number of beds
 - Beds per 1,000 population
 - Occupancy rate Ambulatory Care
 - Hospital outpatient visits
 - Hospitals emergency room visits
 - Hospital outpatient surgeries
- **Inpatient Care**
 - Number of hospital admissions;
 - Admissions per 1,000 population
 - Number patient days
 - Patient days per 1,000 population
 - Average length of stay
 - Percent Medicare patient days
 - Percent Medicaid patient days
 - Total surgeries; inpatient surgeries
- **Long-term Care**
 - Number of beds
 - Beds per 1,000 population age 65 and over
 - Occupancy rate
- **The Health Care Safety Net**
 - Certified Health Centers/Federally Qualified Health Centers
 - Visits to CHCs/FQHCs
 - Percent of hospital revenues classified as self-pay
- **Health Status**
 - Self-Reported Health Status
 - Weighted responses to question: would you say that in general your health is excellent, very good, fair or poor?
 - Weighted percentage of adults reporting fair or poor self-perceived health status, by gender, age, education, income, marital status, weight status, and mental health indicator.
 - Weighted percentage responses regarding health status in the past 30 days
 - Disability
 - Weighted percentage of adults who report activity limitations due to physical, mental or emotional problems (days of limited activity^{*)}
 - Disability status of the civilian non-institutionalized population

- Death Rates and Causes of Death
 - Deaths by number and rate (total mortality^{*}, heart disease deaths^{*} and cancer deaths^{*})
 - Deaths by age group and average age at death
 - Selected causes of death (in rank order)
 - Occupational fatalities^{*}
 - Years of potential life lost prior to age 75 by selected cause of death^{*}

Draft Vision Principle 2. Quality and Efficiency in Health Care -- The health delivery in Kansas should emphasize positive outcomes, safety and efficiency and be based on best practices and evidence based medicine.

- **Quality of Care**
 - Hospital Readmission Rate
 - Readmissions within 30 days of discharge
- **Patient Safety in Hospitals**
 - Overall index of patient safety in hospitals
 - Death in low mortality DRGs; rate per 1,000; observed-to-expected ratio; rank
 - Complications from anesthesia; rate per 1,000; observed-to-expected ratio; rank
 - Decubitus ulcer; rate per 1,000; observed-to-expected ratio; rank
 - Selected infections due to medical care; rate per 1,000; observed-to-expected ratio; rank
 - Transfusion reaction; rate per 1,000; observed-to-expected ratio; rank
 - Hospital Admissions for Ambulatory Care Sensitive Conditions
 - Observed-to-expected ratio of admission for selected ambulatory care sensitive conditions
- **Incidence of Disease**
 - Diabetes and Asthma
 - Weighted percentage responses regarding diabetes diagnosis
 - Weighted percentage responses regarding diabetes care
 - Weighted percentage responses regarding asthma diagnosis(adults)
 - Weighted percentage responses regarding asthma diagnosis (children)
- **Cancer and Heart Disease**
 - Age-adjusted cancer incidence rates, males an females

- **Reportable Diseases**
 - Number of reportable diseases
 - Infectious disease rates (AIDS, tuberculosis and hepatitis per 100,000 population*)
- **Health Outcomes, African Americans and Hispanics**
 - All causes age-adjusted death rate
 - Years of potential life lost (before age 75) rate per 1,000 deaths due to all causes
 - Cancer age-adjusted death rate
 - Diabetes age-adjusted death rate
 - Coronary heart disease age-adjusted death rate
 - 1st trimester prenatal care
 - Percent low birth weight
 - Percent of mothers with less than high school education
 - Teen pregnancy rates for ages 10-19

Draft Vision Principle 3. Affordable and sustainable Health Care -- The financing of health care in Kansas should be equitable, seamless, and sustainable for consumers, purchasers and government.

- **Personal Health Care Expenditures**
 - Personal Health Care Expenditures by Type of Service/Product
 - Personal Health Care Expenditures as a Percent of Gross State Product
- **Medicaid and HealthWave**
 - Medicaid eligibles and beneficiaries
 - Medicaid eligibles by basis of eligibility
 - Medicaid eligibles by age group
 - Medicaid beneficiaries by basis of eligibility
 - Medicaid beneficiaries by age
 - Medicaid beneficiaries by service category
 - Medicaid beneficiaries by program type
- **Medicaid medical vendor payments by basis of eligibility; cost per beneficiary**
 - Medicaid medical vendor payments by service category; cost per beneficiary
 - Medicaid medical vendor payments by program type; cost per beneficiary
 - Medicaid medical vendor payments by age of beneficiaries; cost per beneficiary

- **Medicaid managed care enrollment by plan type**
 - Medicaid/Medicare dual eligibles by dual eligibility type
 - Medicaid medical vendor payments by dual eligibility status; cost per beneficiary
 - Medicaid plan design
 - HealthWave enrollment, expenditures, expenditures per enrollee
- **Medicare**
 - Medicare enrollment, aged beneficiaries
 - Medicare enrollment – disabled beneficiaries
 - Medicare enrollment – all beneficiaries
 - Medicare enrollment by age group (six cohorts)
- **Private Health Insurance**
 - Percent of population covered by private insurance
 - Percent of population covered by employer-based private health insurance
 - Percent of population covered by direct purchase health insurance
 - Percent of population covered by government health insurance
 - Percent of population covered by military health insurance
 - Percent of population enrolled in health maintenance organizations
 - Percent of insured population enrolled in health maintenance organizations
- **Uncompensated Care (Persons who are Uninsured and the Underinsured)**
 - Percent of population under age 65 who do not have health insurance*
 - Selected characteristics of uninsured population under age 65
 - Cost of uncompensated care in hospitals

Draft Vision Principle 4. Promoting Health and Wellness -- Kansans should pursue healthy lifestyles with a focus on wellness -- to include physical activity, proper nutrition, and refraining from tobacco use -- as well as a focus on the informed use of health services over their life course.

- **Disease Prevention and Health Screening**
 - Weighted percentage of respondents receiving flu and pneumonia shots
 - Weighted percentage of adults aged 50 years and older who reported they have never had a screening test for colorectal cancer
 - Weighted percentage responses regarding mammogram, breast and Pap smear exams among females
 - Weighted percentage responses regarding prostate-specific antigen test and digital rectal exam among males
 - Weighted percentage of adults participating in HIV testing

- **Tobacco and Alcohol Use**
 - Weighted percentage responses regarding tobacco use
 - Weighted percentage of adults who currently smoke cigarettes*
 - Weighted percentage of alcoholic beverage consumption
 - Weighted percentage of adults who reported consuming five or more alcohol drinks on an occasion in the past 30 days
- **Adults Who are Overweight or Obese**
 - Weighted percentage of adults who are overweight or obese based on a BMI greater or equal to 25, based on self-reported height and weight
 - Weighted percentage of adults who are obese based on a BMI greater or equal to 30, based on self-reported height and weight
 - Weighted percentage responses regarding food consumption and physical activity
- **Exercise and Physical Activity**
 - Weighted percentage of adults who are physically inactive
- **Fruit and Vegetable Consumption**
 - Weighted percentage of adults who consume limited amounts of fruits and vegetables
- **Seat Belt and Safety Seat Use**
 - Weighted percentage of adult seat belt use
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- **Risk for Heart Disease**
 - Index of obesity, hypertension, and sedentary lifestyle within population*

Draft Vision Principle 5. Stewardship – The Kansas Health Policy Authority will administer the resources entrusted to us by the citizens and the State of Kansas with the highest level of integrity, responsibility and transparency.

Draft Vision Principle 6. Education and Engagement of the Public – The Kansas Health Policy Authority will educate Kansans about both health and health care delivery to encourage public engagement in developing an improved health system for all Kansans.

Other indicators related to overall health status:

A. Demographics:

- **Population and Growth**
 - Current population and change over time
 - Persons per square mile
 - Gender
 - Household type

- Age Distribution
 - Age distribution in population
- Race and Ethnicity
 - Race and ethnicity
 - Native and foreign born
 - Foreign born: region of birth
- Immigration and Language Skills
 - Language spoken in home

B. Social Environment

- Household and Individual Income
 - Household and individual income
- Household Size and Family Poverty
 - Family poverty status (below poverty level)
- Individual Poverty
 - Individuals' poverty status, by age (children in poverty*)
- Employment and Unemployment
 - Unemployment rate (trend)
 - Employment status (16 years and over)
 - Occupation of employed civilians (16 years and over)
 - Establishments by industry, 2001 (percentages)
- Educational Attainment and School Enrollment
 - Educational attainment (high school graduation*)
 - School enrollment (3 years and over)
 - High school dropout rate
- Housing and Home Ownership
 - Housing occupancy and ownership
 - Ratio of owner-occupied and renter-occupied housing unit costs to household income
- Crime, Arrests and Law Enforcement
 - Crime index offenses (violent crime rates*)
 - Rape and domestic violence
 - Number of full-time law enforcement officers

- Motor Vehicle Accidents
 - All motor vehicle accidents by year
 - Motor vehicle injury accidents and injuries by year
 - Motor vehicle fatal accidents and fatalities*
 - Percent of alcohol-related motor vehicle accidents to all accidents
 - Percent of injuries in alcohol-related motor vehicle accidents to all motor vehicle accident injuries
 - Percent of fatalities in alcohol-related motor vehicle accidents to all motor vehicle accident fatalities
- Other Civic Indicators
 - Bank Deposits
 - General election turnout, November 2, 2004

C. Physical Environment

- Outdoor Air Quality
- Surface Water
 - Ambient water quality
- Drinking Water
 - Drinking water quality
- Toxics and Solid Waste
 - Housing units at high risk for lead hazards
 - Toxic waste and hazardous waste generators

D. Maternal and Child Health

- Pregnancy and Birth
 - Births by number and rate
 - Births by age group of mother
 - Births by sex of infant and race of mother
 - Births by trimester prenatal care began
 - Adequacy of prenatal care utilization index*
- Births to At-Risk Mothers
 - Out-of-wedlock births by race of mother
 - Out-of-wedlock births by age-group of mother
 - Births to mothers with less than a high school degree
 - Total teenage pregnancies and outcome by age group

- Low Birth Weight Infants and Perinatal Deaths
 - Low birth weight infants
 - Fetal deaths
 - Infant deaths^{*}
- Childhood Immunization
 - Immunization rates at two years of age
- Child Care Facilities
 - Head Start participation
 - Smart Start Kansas participation
 - Percent distribution of child care facilities
 - Child care facilities per 1,000 children under 5 years old
- Children in School
 - Pupil-teacher ratio
 - Children approved for free school meals
- Child Abuse and Neglect and Juvenile Justice Filings
 - Reported and substantiated child abuse and neglect
 - Juvenile court filings
 - Teen violent deaths

E. Mental Health

- Depression and Suicide
 - Weighted percentage of respondents feeling sad or contemplating suicide
- Provider Supply and Utilization
 - Psychiatrists
 - Age range of psychiatrists
 - Adult mental health service performance
 - Children's mental health outcome measures
 - Child psychiatrists
 - Age range of child psychiatrists
 - Population count and number of inpatient days spent in psychiatric hospitals
 - Number of hospitals with psychiatric services
 - Number of psychiatric and dependent care beds staffed and set up

F. Oral Health

- Access to and Use of Dental Services
 - Length of time since last dentist visit
 - Length of time since last teeth cleaning by dentist or dental hygienist

- Number of permanent teeth removed because of tooth decay or gum disease
- Weighted responses to question: during the last 12 months, was there any time when you needed dental care but did not get it?
- Weighted responses to question: what was the main reason you did not receive the dental care you needed?
- Current need for dental services
- Dental insurance coverage

G. Racial and Ethnic Minorities

- Social Determinants of Health
 - Average household size
 - Percent of families with children under 18 years that are headed by a single parent
 - Percent of occupied housing units that are rented
 - Percent of occupied housing units without a vehicle
 - Percent of occupied housing units without a telephone
 - Percent of educational attainment for adults 25 years and older
 - Percent mastering algebraic concepts
 - Percent students passing advanced math
 - Percent students passing advanced science
 - Unemployment rate, 2000

* = Seventeen indicators used by UnitedHealth Foundation to create a state health score for its annual State Health Ranking Report